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PATENT APPLICATION

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

ATTORNEY DOCKET NO. 10014277-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MAGNETIC SHIELDING FOR MRAM DEVICES

The specification of which is attached hereto unless the following box is checked:

() was filed on _____ as US Application No. or PCT International Application
Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119	
			YES: _____	NO: _____
			YES: _____	NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION NUMBER	FILING DATE

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

POWER OF ATTORNEY:

As a named Inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number **022879**Place Customer
Number Bar Code
Label hereSend Correspondence to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

Direct Telephone Calls To:

L.Joy Griebenow
(970) 898-3884

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: **Manoj K. Bhattacharyya**Citizenship: **India**Residence: **22434 Palm Avenue, Cupertino, CA 95014**Post Office Address: **Same As Above**Inventor's Signature
*Manoj K. Bhattacharyya*Date
8/26/02

BEST AVAILABLE COPY**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION (continued)**

ATTORNEY DOCKET NO. 10014277-1

Full Name of # 2 joint Inventor: Darrel Bloomquist (Deceased) Citizenship: U.S.
Residence: 2950 Springwood Avenue, Meridian, ID 83642
Post Office Address: Same As Above
DECEASED-COMPLETED ON ADDED PAGE
Inventor's Signature _____ Date _____

Full Name of # 3 joint Inventor: Anthony Peter Holden Citizenship: Great Britain
Residence: 13243 West Dahlia Drive, Boise, ID 83713
Post Office Address: Same As Above
Inventor's Signature Anthony Peter Holden Date 9/3/02

Full Name of # 4 joint Inventor: Sarah Morris Brandenberger Citizenship: U.S.
Residence: 2577 N. Hampton, Boise, ID 83704
Post Office Address: Same As Above
Inventor's Signature Sarah Morris Brandenberger Date 8-30-02

Full Name of # 5 joint Inventor: _____ Citizenship: _____
Residence: _____
Post Office Address: _____
Inventor's Signature _____ Date _____

Full Name of # 6 joint Inventor: _____ Citizenship: _____
Residence: _____
Post Office Address: _____
Inventor's Signature _____ Date _____

Full Name of # 7 joint Inventor: _____ Citizenship: _____
Residence: _____
Post Office Address: _____
Inventor's Signature _____ Date _____

Full Name of # 8 joint Inventor: _____ Citizenship: _____
Residence: _____
Post Office Address: _____
Inventor's Signature _____ Date _____

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ADDED PAGE TO DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION
BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX), OR LEGAL REPRESENTATIVE
ON BEHALF OF DECEASED INVENTOR (37 C.F.R. §1.42)

I,

Judy Bloomquist
Name
2950 Springwood Avenue
Address
Meridian, ID 83642
City, State, Zip Code

hereby declare that I am a Citizen of the United States of America, residing at the above-mentioned address, and that I am executing and signing this declaration, to which this page is attached, as the:

administrator(trix) of,
 executor(trix) of the last will and testament of, or
 legal representative (or heirs) of

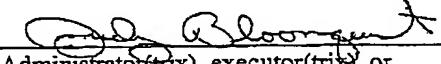
deceased inventor:

Darrel R. Bloomquist
Citizen of the United States
Residence: 2950 Springwood Avenue
Meridian, ID 83642

Upon information and belief, I aver those facts which the inventor is required to state regarding the invention or discovery in:

MAGNETIC SHIELDING FOR MRAM DEVICES

Date: 9-4-02


Administrator(trix), executor(trix), or
legal representative (or all heirs)
Estate of Darrel R. Bloomquist

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Manoj K. Bhattacharyya et al.

Examiner: Unknown

Serial No.: 10/125,095

Group Art Unit: 1773

Filed: April 18, 2002

Docket No.: 10014277-1

Title: MAGNETIC SHIELDING FOR MRAM DEVICES

CONSENT UNDER 37 C.F.R. 1.48(a)(5)

HEWLETT-PACKARD COMPANY, a corporation, states that it is the assignee of the entire right, title, and interest in the above-identified patent application. Attached is a statement under 37 CFR 3.73(b) to establish ownership of the application in accordance with 37 CFR 3.73. MPEP § 324.

HEWLETT-PACKARD COMPANY hereby consents to the requested inventorship correction in the above-identified patent application.

The undersigned (whose title is supplied below) has the authority to act on behalf of the assignee.

November 26, 2002
Date

Charles N. Charnas
Signature

Charles N. Charnas
Typed or printed name

Assistant Secretary
Senior Managing Counsel
Title

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Manoj K. Bhattacharyya et al. Examiner: Unknown
Serial No.: 10/125,095 Group Art Unit: 1773
Filed: April 18, 2002 Docket No.: 10014277-1
Title: MAGNETIC SHIELDING FOR MRAM DEVICES

STATEMENT UNDER 37 C.F.R. 3.73(b)

Hewlett-Packard Company, a Corporation, states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title, and interest. The extent (by, percentage) of its ownership interest is ____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above.

The assignment was recorded in the United States Patent and Trademark Office at Reel ___, Frame ___, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel ___, Frame ___, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel ___, Frame ___, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel ___, Frame ___, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel ___, Frame ___, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

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Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to the Assignment Division in accordance with 37 C.F.R. Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

November 26, 2002

Date

Charles N. Charnas

Typed or printed name

Charles N. Charnas

Signature

Assistant Secretary

Senior Managing Counsel

Title

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**ATTORNEY DOCKET NO. 10014277-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MAGNETIC SHIELDING FOR MRAM DEVICES

the specification of which is attached hereto unless the following box is checked:

() was filed on _____ as US Application No. or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

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COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION NUMBER	FILING DATE

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number 022879Place Customer
Number Bar Code
Label here

Send Correspondence to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

Direct Telephone Calls To:

Anthony J Baca
(208) 396-3597

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Manoj K. Bhattacharyya Citizenship: India

Residence: 22434 Palm Avenue, Cupertino, CA 95014

Post Office Address: Same As Above

Inventor's Signature Manoj K. Bhattacharyya Date 4/5/2002

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**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION (continued)**

ATTORNEY DOCKET NO. 10014277-1

Full Name of # 2 joint Inventor: Darrel Bloomquist (Deceased) Citizenship: U.S.

Residence: 2950 Springwood Avenue, Meridian, ID 83642

Post Office Address: Same As Above

Inventor's Signature See Page 3

Date

Full Name of # 3 joint Inventor: Anthony Peter Holden Citizenship: Great Britain

Residence: 13243 West Dahlia Drive, Boise, ID 83713

Post Office Address: Same As Above

Inventor's Signature Anthony Peter Holden

Date 4/10/02

Full Name of # 4 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____

Date _____

Full Name of # 5 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____

Date _____

Full Name of # 6 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____

Date _____

Full Name of # 7 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____

Date _____

Full Name of # 8 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____

Date _____

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**ADDED PAGE TO DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION
BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX), OR LEGAL REPRESENTATIVE
ON BEHALF OF DECEASED INVENTOR (37 C.F.R. §1.42)**

I,

Judy Bloomquist
Name
2950 Springwood Avenue
Address
Meridian, ID 83642
City, State, Zip Code

hereby declare that I am a Citizen of the United States of America, residing at the above-mentioned address, and that I am executing and signing this declaration, to which this page is attached, as the:

administrator(trix) of,
 executor(trix) of the last will and testament of, or
 legal representative (or heirs) of

deceased inventor:

Darrel R. Bloomquist
Citizen of the United States
Residence: **2950 Springwood Avenue**
Meridian, ID 83642

Upon information and belief, I aver those facts which the inventor is required to state regarding the invention or discovery in:

MAGNETIC SHIELDING FOR MRAM DEVICES

Date: 4-10-02


Administrator(trix), executor(trix), or
legal representative (or all heirs)
Estate of Darrel R. Bloomquist

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Manoj K. Bhattacharyya et al. Examiner: Unknown
Serial No.: 10/125,095 Group Art Unit: 1773
Filed: April 18, 2002 Docket No.: 10014277-1
Title: MAGNETIC SHIELDING FOR MRAM DEVICES

CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. 1.48(a)

Commissioner for Patents
Washington, D.C. 20231

Dear Sir/Madam:

1. This Amendment and Petition is being filed under 37 CFR 1.48(a) to correct the inventive entity as set forth in error in the executed Declaration filed on April 18, 2002, in the above-identified patent application.

2. Addition and/or Deletion of Inventor(s):

Please add the following previously unnamed person(s) as inventor(s) in the above-identified patent application:

SARAH MORRIS BRANDENBERGER

Please delete the following previously incorrectly named person(s) as inventor(s) in the above-identified patent application:

[NAME OF INVENTOR TO BE DELETED]

3. Attached is:

(a) a statement from:

each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 CFR 1.48(a)(2).

each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 CFR 1.48(a)(2);

(b) a Declaration by the actual inventor(s) as required by 37 CFR 1.63 (or as permitted by §§1.42, 1.43, or 1.47). 37 CFR 1.48(a)(3); and

(c) the written consent of the assignee. 37 CFR 1.48(a)(5).

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Correction of Inventorship Under 37 C.F.R. 1.48(a)

Applicant: Manoj K. Bhattacharyya et al.

Serial No.: 10/125,095

Filed: April 18, 2002

Docket No.: 10014277-1

Title: MAGNETIC SHIELDING FOR MRAM DEVICES

4. The fee set forth in 37 CFR 1.17(i) is paid as follows:

Enclosed is a check for \$130.00.

Please charge Deposit Account 08-2025 in the sum of \$130.00.

Please charge Deposit Account 08-2025 for any fee deficiency in the above-identified patent application.

Respectfully submitted,

Manoj K. Bhattacharyya et al.;

By their attorneys,

DICKE, BILLIG & CZAJA, P.A.

701 Building, Suite 1250

701 Fourth Avenue South

Minneapolis, MN 55415

Telephone: (612) 573-2000

Facsimile: (612) 573-2005

Date: JAN 22, 2003
MBM:cmj


Matthew B. McNutt
Reg. No. 39,766

CERTIFICATE UNDER 37 C.F.R. 1.83: The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service as first class mail, in an envelope addressed to: Commissioner for Patents (Washington, D.C. 20231) on this 22 day of January, 2003.

By 
Name: Matthew B. McNutt

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Manoj K. Bhattacharyya et al.

Examiner: Unknown

Serial No.: 10/125,095

Group Art Unit: 1773

Filed: April 18, 2002

Docket No.: 10014277-1

Title: MAGNETIC SHIELDING FOR MRAM DEVICES

STATEMENT UNDER 37 C.F.R. 1.48(a)(2)

I, SARAH MORRIS BRANDENBERGER, hereby state that I am to be added as an inventor in the above-identified patent application. The error in inventorship occurred without deceptive intention on my part.

12-19-02

Date

Sarah M. Brandenberger

Sarah M. Brandenberger